

NISTTech

High Current, Very-Wide-Band Transconductance Amplifier

Abstract

A high-current, very-wide-band transconductance amplifier includes a differential voltage to current converter and a plurality of complementary unipolar current mirror cells. The differential voltage to current converter isolates the input voltage terminal from the common side of the output load current terminal. A plurality of positive current mirror cells are connected in parallel and a plurality of negative current mirror cells are connected in parallel to avoid the need for a single low resistance current sensing resistor and the fabrication problems inherent in such resistors.

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References

- U.S. Expired Patent #4,965,529, expired 09/21/2009
- Docket: 89-022US

Status of Availability

This technology is available in the public domain.

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